



# STIC Search Report

## EIC 3700

STIC Database Tracking Number: 163405

TO: Andres Kashnikow

Location: RND 8a29

Art Unit: 3700

Tuesday, August 23, 2005

09/143,503

Case Serial Number: 90/004946

From: Terry Solomon

Location: EIC 3700

RND 8b31

Phone: 272-4240

[terrance.solomon@uspto.gov](mailto:terrance.solomon@uspto.gov)

### Search Notes

No current or past litigation found involving US pat. 5554121.

Sources:

Lexis/Nexis

Questel-Orbit

Courtlink

Access DB# 163405

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: ANDY KASHNIKOW Examiner #: 60484 Date: 8/23/05  
Art Unit: 3700 Phone Number 302-4361 Serial Number: 09/143503 890004,946  
Mail Box and Bldg/Room Location: RND 8A29 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

LIT. SEARCH - U.S. PATENT No.  
5,554,121

15+

\*\*\*\*\*  
**STAFF USE ONLY**

	Type of Search	Vendors and cost where applicable
Searcher: <u>Solomon</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>24240</u>	AA Sequence (#) _____	Dialog _____
Searcher Location: <u>RND 8b31</u>	Structure (#) _____	Questel/Orbit <u>\$10.07</u>
Date Searcher Picked Up: <u>8-23-05</u>	Bibliographic _____	Dr. Link _____
Date Completed: <u>" " "</u>	Litigation <u>X</u>	<u>Lexis/Nexis</u>
Searcher Prep & Review Time: <u>6</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>6</u>	Other _____	Other (specify) <u>Courtlink \$20</u>

[Search](#) > [Patent Search](#) > Searching

## Patent Search - Number: 5,554,121

No cases containing this patent number were found.

[Return to Search](#)

(Charges for search still apply)

---

[Pricing](#)   [Privacy](#)   [Master Services Agreement](#)

[Copyright](#) © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

280210 (08) 5554121 September 10, 1996

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

**5554121**

♦ [GET 1st DRAWING SHEET OF 1](#)

[Access PDF of Official Patent \\*](#)

[Check for Patent Family Report PDF availability \\*](#)

\* Note: A transactional charge will be incurred for downloading an Official Patent or Patent Family Report. Your acceptance of this charge occurs in a later step in your session. The transactional charge for downloading is outside of customer subscriptions; it is not included in any flat rate packages.

[Link to Claims Section](#)

September 10, 1996

Intraluminal catheter with high strength proximal shaft

**REEXAM-LITIGATE:**

**NOTICE OF LITIGATION**

NOTICE OF LITIGATION Reexamination requested Mar. 23, 1998 by David M. Crompton, Crompton, Seager and Tuft, Reexamination No. 90/004, 946 (O.G. May 19, 1998) Ex. Gp.: 3734 Reexamination requested Apr. 9, 1997 by David M. Crompton, Nawrocki, Rooney & Sivertson, Reexamination No. 90/004602 (O.G. May 27, 1997) Ex. Gp.: 3306

**REISSUE:** Reissue Application filed Aug. 28, 1998 (O.G. Sep. 19,, (O.G. September 19, 2000)

**APPL-NO:** 280210 (08)

**FILED-DATE:** July 25, 1994

**GRANTED-DATE:** September 10, 1996

**ASSIGNEE-AT-ISSUE:** Advanced Cardiovascular Systems, Inc., Santa Clara, California, United States (US), 02

**ASSIGNEE-AFTER-ISSUE:** November 25, 1994 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS) ., ADVANCED CARDIOVASCULAR SYSTEMS, INC. 3200 LAKESIDE DRIVE SANTA CLARA, CA 95052-8167, Reel and Frame Number: 07266/0619

**LEGAL-REP:** Crosby, Heafey, Roach & May

(C) QUESTEL 1994  
QUESTEL.ORBIT (TM) 1998

Selected file: PLUSPAT  
PLUSPAT - (c) Questel-Orbit, All Rights Reserved.  
Comprehensive Worldwide Patents database

**\*\* SS 1: Results 1**  
**PRT SS 1 MAX 1 LEGALALL**

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

**Patent Number :**

US5554121 A 19960910 [US5554121]

**Patent Number 2 :**

US5554121 B1 19980714 [US5554121]

**Title :**

(A) Intraluminal catheter with high strength proximal shaft

**Patent Assignee :**

(A) ADVANCED CARDIOVASCULAR SYSTEM (US)

**Patent Assignee :**

Advanced Cardiovascular Systems, Inc., Santa Clara CA [US]

**Patent Assignee 2 :**

(B1) ADVANCED CARDIOVASCULAR SYSTEM (US)

**Inventor(s) :**

(A) AINSWORTH ROBERT D (US); CHENG TAI C (US); WASICEK LAWRENCE D (US)

**Application Nbr :**

US28021094 19940725 [1994US-0280210]

**Priority Details :**

US28021094 19940725 [1994US-0280210]

**Intl Patent Class :**

(A) A61M-029/00

**EPO ECLA Class :**

A61L-029/06 C08L-071:00

A61L-029/06 C08L-081:06

A61L-029/14

A61M-025/00S3

A61M-029/02

**US Patent Class :**

ORIGINAL (O) : 604103100; CROSS-REFERENCE (X) : 604524000

**Document Type :**

Corresponding document

**Citations :**

US5139496; US5176637; US5213574; US5258160; US5259839; US5270086;

US5304134; US5316706; US5344400; US5423754; EP0171884; EP0452595 A1

**Publication Stage :**

(A) United States patent

**Publication Stage 2 :**

(B1) Reexam. Certif., n-nd reexam.

**Abstract :**

A balloon dilatation having a relatively stiff proximal catheter shaft which is formed at least in part of an engineering thermoplastic polymer material with a tensile strength of at least about 10,000 psi, an elongation of at least 50% and a tensile modulus of at least 300,000 psi. The polymer is preferably an aromatic polymer, and particularly polyetheretherketone.

1 / 1 LGST - ©EPO

**Patent Number :**

US5554121 A 19960910 [US5554121]

US5554121 B1 19980714 [US5554121]

**Application Number :**

US28021094 19940725 [1994US-0280210]

**Action Taken :**

19941125 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: ADVANCED CARDIOVASCULAR SYSTEMS, INC. 3200 LAKESID; EFFECTIVE  
DATE: 19941025

19941125 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: AINSWORTH, ROBERT D.; EFFECTIVE DATE: 19941025

19941125 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: CHENG, TAI C.; EFFECTIVE DATE: 19940928

19941125 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: WASICEK, LAWRENCE D.; EFFECTIVE DATE: 19941031

19970527 US/RR-A [+]

REQUEST FOR REEXAMINATION FILED

EFFECTIVE DATE: 19970409

19980519 US/RR-A [+]

REQUEST FOR REEXAMINATION FILED

EFFECTIVE DATE: 19980323

19980714 US/B1-A [+]

REEXAMINATION CERTIFICATE FIRST REEXAMINATION

20000919 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 19980828

**Update Code :**

2003-22

1 / 1 CRXX - @CLAIMS/RRX

**Patent Number :**

5,554,121 A 19960910 [US5554121]

**Patent Assignee :**

Advanced Cardiovascular Systems Inc

**Actions :**

19970409 REEXAMINATION REQUESTED

Issue Date of O.G.: 19970527

Reexamination Request Number: 90/004602

David M. Crorepton, Nawrocki, Rooney & Sivertson, Minneapolis, MN

19980223 REEXAMINATION REQUESTED

Issue Date of O.G.: 19980519

Reexamination Request Number: 90/004946

David M. Crompton, Crompton, Seager and Tufte, Minneapolis, MN

19980714 REEXAMINED CERTIFICATE B15554121, SEQUENCE 3574th

REQUEST - 90/004602, David M. Crorepton, Nawrocki, Rooney & Sivertson,  
Minneapolis, MN, US (19970409)

CLAIM - AS A RESULT OF REEXAMINATION, IT HAS BEEN DETERMINED THAT: The

patentability of claims 1-6 is confirmed. New claims 7-17 are added and determined to be patentable. 1. A balloon dilatation catheter comprising: a) a proximal catheter shaft portion formed at least in part of an extruded engineering thermoplastic polymeric material with a tensile strength greater than 10,000 psi, an elongation greater than 50% and a tensile modulus greater than 300,000 psi, having proximal and distal ends and having a first inner lumen extending therein to the distal ends; b) a distal catheter shaft portion being more flexible than the proximal catheter shaft portion, having proximal and distal ends and a second inner lumen extending from the proximal end of the distal shaft portion to a location proximal to the distal end of the distal catheter shaft portion and being in fluid communication with the first inner lumen extending within the proximal catheter shaft portion; and c) an expandable dilation balloon on the distal catheter shaft portion having an interior in fluid communication with the second inner lumen extending within the distal shaft portion.

19980828 REISSUE REQUESTED  
Issue Date of O.G.: 20000919  
Reissue Request Number: 09/143503  
Examination Group responsible for Reissue process: 3306

Session finished: 23 AUG 2005 Time 14:12:36  
QUESTEL.ORBIT thanks you. Hope to hear from you again soon.